

C CAFFEIC-ACID

Chemid

CAFFEICACID

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Achillea millefolium</i>	Plant	--	--	--	--
<i>Aconitum napellus</i>	Plant	--	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Actaea cimicifuga</i>	Rhizome	--	--	--	--
<i>Actaea dahurica</i>	Rhizome	--	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Adonis vernalis</i>	Plant	--	--	--	--
<i>Agrimonia eupatoria</i>	Plant	--	--	--	--
<i>Albizia lebbeck</i>	Leaf	--	--	--	Wealth of India.
<i>Allium ampeloprasum</i>	Plant	--	--	--	--
<i>Allium cepa</i>	Bulb	--	--	--	--
<i>Allium cepa</i>	Leaf	--	--	--	Das, V. S. R., Rao, J. V. S. 1964. Phenolic Acids of Onion Plant. Curr. Sci., 33(15): 471-472.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Allium cepa	Root	--	--		Das, V. S. R., Rao, J. V. S. 1964. Phenolic Acids of Onion Plant. Curr. Sci., 33(15): 471-472.
Allium sativum var. sativum	Bulb	10	20	--	
Allium schoenoprasum	Leaf	--	0.5	-0.715857836754432	--
Althaea officinalis	Leaf	--	--	--	
Althaea officinalis	Flower	--	--	--	
Althaea officinalis	Root	--	--	--	
Ananas comosus	Fruit	--	--		Wealth of India.
Anethum graveolens	Fruit	--	--	--	
Anethum graveolens	Seed	--	--	--	
Anethum graveolens	Leaf	--	1140	-0.5577746068901522	--
Angelica archangelica	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
Annona muricata	Plant	--	--	--	
Apium graveolens	Leaf	--	--	--	
Apium graveolens	Seed	--	--		Wealth of India.
Apium graveolens	Root	--	--	--	
Arachis hypogaea	Seed	11	11	-0.7603797516688712	--
Arctium lappa	Root	2500	2500	0.16650294770473825	--
Arctostaphylos uva-ursi	Plant	--	--	--	
Arctostaphylos uva-ursi	Leaf	--	--	--	

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Armoracia rusticana</i>	Plant	--	--		Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
<i>Arnica montana</i>	Flower	--	--		--
<i>Artemisia abrotanum</i>	Plant	--	--		--
<i>Artemisia capillaris</i>	Plant	--	--		--
<i>Artemisia dracunculus</i>	Shoot	--	--		--
<i>Artemisia dracunculus</i>	Leaf	7640	7640	0.34397264551688544	--
<i>Asimina triloba</i>	Leaf	--	--		--
<i>Aspalathus linearis</i>	Shoot	--	0.66	-0.703465468886938	--
<i>Astragalus membranaceus</i>	Root	--	--		Leung, A. Y. and Foster, S. 1995. <i>Encyclopedia of Common Natural Ingredients</i> 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Avena sativa</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Ballota nigra</i>	Leaf	--	2000	-0.43846650887937494	--
<i>Berberis vulgaris</i>	Plant	--	--		--
<i>Berberis vulgaris</i>	Fruit	--	--		Jim Duke's personal files.
<i>Beta vulgaris</i>	Leaf	--	--		List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Brassica nigra</i>	Seed	--	--		Jim Duke's personal files.
<i>Brassica oleracea</i> var. <i>botrytis</i> L.	Leaf	--	8	-0.7148173591555008	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Brassica oleracea</i> var. <i>capitata</i> l.	Leaf	0.5	77	-0.7052449652453338	--
<i>Brassica oleracea</i> var. <i>gemmaifera</i>	Leaf	34	34	-0.7112103701458726	--
<i>Brassica oleracea</i> var. <i>italica</i>	Leaf	--	8	-0.7148173591555008	--
<i>Brassica pekinensis</i>	Leaf	11	11	-0.7144011681159284	--
<i>Calendula officinalis</i>	Plant	--	--		--
<i>Camellia sinensis</i>	Plant	--	--		--
<i>Capsicum annuum</i>	Fruit	11	11	-0.3368770543074836	--
<i>Capsicum frutescens</i>	Fruit	32	32	-0.3329891212786086	--
<i>Carica papaya</i>	Leaf	--	--		Jim Duke's personal files.
<i>Carum carvi</i>	Seed	--	2840	1.9446682932160153	--
<i>Castanea sativa</i>	Leaf	--	--		--
<i>Catalpa bignonioides</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ceiba pentandra</i>	Leaf	--	--		--
<i>Centaurea cyanus</i>	Flower	--	--		Jim Duke's personal files.
<i>Centaurea cyanus</i>	Shoot	--	--		Jim Duke's personal files.
<i>Centaurium erythraea</i>	Plant	--	--		--
<i>Chamaemelum nobile</i>	Plant	--	--		--
<i>Cichorium endivia</i>	Leaf	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Cichorium intybus</i>	Leaf	767	767	-0.6095210261436637	--
<i>Cichorium intybus</i>	Shoot	--	--	--	--
<i>Cimicifuga dahurica</i>	Rhizome	--	--	--	--
<i>Cinchona pubescens</i>	Bark	--	--	--	--
<i>Cinchona pubescens</i>	Leaf	--	--	--	--
<i>Cinchona</i> spp	Bark	--	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)
<i>Cinnamomum camphora</i>	Plant	--	--	--	--
<i>Cinnamomum verum</i>	Bark	--	6	--	--
<i>Citrullus colocynthis</i>	Fruit	--	--	--	--
<i>Citrullus lanatus</i>	Seed	--	--	--	--
<i>Citrus limon</i>	Fruit	21	35	-0.3324337022744836	--
<i>Citrus paradisi</i>	Fruit	40	51	-0.3294714675858169	--
<i>Citrus sinensis</i>	Fruit	2	50	-0.3296566072538586	--
<i>Citrus sinensis</i>	Fruit Juice	--	--	--	Jim Duke's personal files.
<i>Clematis vitalba</i>	Plant	--	--	--	--
<i>Cnicus benedictus</i>	Plant	--	--	--	Jim Duke's personal files.
<i>Coccinia grandis</i>	Leaf	--	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Coffea arabica</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Coffea arabica</i>	Fruit	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<i>Cola acuminata</i>	Plant	--	--		--
<i>Coleus barbatus</i>	Root	--	42.9	-0.8784223898990208	Jim Duke's personal files.
<i>Conium maculatum</i>	Plant	--	--		--
<i>Convallaria majalis</i>	Plant	--	--		--
<i>Conyza canadensis</i>	Plant	--	--		--
<i>Coriandrum sativum</i>	Fruit	--	770	-0.1963560462638582	--
<i>Coriandrum sativum</i>	Leaf	--	--		--
<i>Coriandrum sativum</i>	Shoot	--	--		--
<i>Corylus americana</i>	Seed	--	--		Senter, S. D., Horvat, R. J., Forbus, W. R. 1983. Comparative GLC-MS Analysis of Phenolic Acids of Selected Tree Nuts. <i>J. Food Science</i> , 48(3): 798-799.
<i>Crataegus laevigata</i>	Leaf	--	--		--
<i>Crataegus laevigata</i>	Flower	--	--		--
<i>Crataegus laevigata</i>	Shoot	--	--		--
<i>Crataegus laevigata</i>	Bud	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Crataegus laevigata</i>	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Crataegus monogyna</i>	Plant	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Crataegus rhipidophylla</i>	Inflorescence	--	--		--
<i>Crataegus rhipidophylla</i>	Flower	--	--		--
<i>Crataegus rhipidophylla</i>	Leaf	--	--		--
<i>Crataegus rhipidophylla</i>	Shoot	--	--		--
<i>Crataegus rhipidophylla</i>	Bud	--	--		--
<i>Cucumis melo</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Cucumis sativus</i>	Fruit	--	--		--
<i>Cucurbita pepo</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Curcuma longa</i>	Rhizome	--	5		--
<i>Cyamopsis tetragonoloba</i>	Seed	--	--		Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar (<i>Cyamopsis tetragonoloba</i> L. Taub). J Sci Food Agr, 33: 461-470.
<i>Cynara cardunculus</i>	Flower	--	--		--
<i>Cynara cardunculus</i>	Leaf	--	--		Jim Duke's personal files.
<i>Datura stramonium</i>	Plant	--	--		--
<i>Daucus carota</i>	Root	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Digitalis purpurea	Leaf	--	--		--
Dipsacus fullonum	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Dodonaea viscosa	Plant	--	--		--
Echinacea spp	Plant	--	--		--
Elaeagnus angustifolia	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Elaeagnus angustifolia	Fruit	--	--		Kusova, R. D., Kazakov, A. L., Luk'yanchikov, M. S. 1988. Phenolic Compounds From Fruit of Elaeagnus angustifolia. Chem. Nat. Comp. 24 3: 392-393. Pyatigorsk Farm Inst Pyatigorsk USSR.
Elettaria cardamomum	Fruit	--	2	-0.3385433113198586	--
Eleutherococcus senticosus	Root	--	--		--
Equisetum arvense	Plant	--	8000	0.1792870276679914	--
Equisetum arvense	Shoot	--	--		Jim Duke's personal files.
Equisetum hyemale	Plant	--	--		--
Eriobotrya japonica	Plant	--	--		--
Erythroxylum coca	Leaf	--	--		--
Eucalyptus globulus	Leaf	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Euphorbia hirta	Plant	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Euphorbia pulcherrima</i>	Plant	--	--		--
<i>Euphrasia officinalis</i>	Plant	--	11500	0.732750509786938	Tyler, V.E.. 1982. The Honest Herbal. George F. Stickley Co., Philadelphia PA. 263 pp.
<i>Euphrasia officinalis</i>	Shoot	--	6000	1.7085918936663076	Jim Duke's personal files.
<i>Fagopyrum esculentum</i>	Plant	--	--		--
<i>Ficus carica</i>	Plant	--	--		--
<i>Foeniculum vulgare</i>	Fruit	--	--		--
<i>Foeniculum vulgare</i>	Seed	0.5	225	-0.5557561102389081	--
<i>Fragaria spp</i>	Fruit	15	34	-0.3326188419425253	Jim Duke's personal files.
<i>Gaultheria procumbens</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Gentiana lutea</i>	Root	--	--		--
<i>Glechoma hederacea</i>	Plant	--	--		--
<i>Glycine max</i>	Seed	1	4	-0.7670730483511597	--
<i>Harpagophytum procumbens</i>	Root	--	--		--
<i>Helianthus annuus</i>	Pollen Or Spore	4	4		--
<i>Helianthus annuus</i>	Seed	1600	1800	0.9502356432760076	--
<i>Helichrysum angustifolium</i>	Plant	--	--		--
<i>Hordeum vulgare</i>	Seed	--	--		--
<i>Hordeum vulgare</i>	Fruit	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Humulus lupulus</i>	Plant	--	--	--	
<i>Hypericum perforatum</i>	Shoot	--	1000	-0.30167703804388507	--
<i>Hypericum perforatum</i>	Plant	--	1000	-0.927639936569902	--
<i>Hyssopus officinalis</i>	Plant	--	--		Jim Duke's personal files.
<i>Inonotus obliquus</i>	Plant	--	--		--
<i>Ipomoea batatas</i>	Root	--	--		--
<i>Ipomoea purga</i>	Tuber	30000	40000	1	--
<i>Juglans nigra</i>	Seed	--	--		--
<i>Juglans regia</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Juglans regia</i>	Seed	1	6	-0.7651606778705059	--
<i>Juglans regia</i>	Testa	15	115		--
<i>Juniperus communis</i>	Leaf	--	--		--
<i>Juniperus communis</i>	Fruit	--	--		--
<i>Kalanchoe pinnata</i>	Plant	--	--		--
<i>Lactuca sativa</i>	Plant	--	--		--
<i>Laurus nobilis</i>	Fruit	--	--		--
<i>Laurus nobilis</i>	Leaf	--	--		--
<i>Levisticum officinale</i>	Root	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Ligustrum japonicum</i>	Flower	--	--	--	--
<i>Lycopersicon esculentum</i>	Fruit	6	6	-0.33780275264769194	--
<i>Lycopodium clavatum</i>	Plant	--	--	--	Bisset, N.G., ed. 1994. <i>Herbal Drugs and Phytopharmaceuticals</i> . CRC Press. Boca Raton, FL. 566 pp.
<i>Lycopus europeus</i>	Plant	--	--	--	List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Lycopus virginicus</i>	Plant	--	--	--	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Magnolia kobus</i>	Plant	--	--	--	--
<i>Magnolia officinalis</i>	Plant	--	--	--	--
<i>Malus domestica</i>	Fruit	85	1270	-0.10378621224302456	--
<i>Malus domestica</i>	Fruit Juice	--	--	--	--
<i>Marrubium vulgare</i>	Plant	--	--	--	--
<i>Matricaria recutita</i>	Plant	--	--	--	Kameoka, H. and Nakai, K. 1987. Components of essential oil from the root of <i>Glycyrrhiza-glabra</i> . <i>Nippon Gogeikagaku Kaishi</i> 61(9): 1119-1122.
<i>Medicago sativa</i>	Tissue Culture	--	--	--	--
<i>Melia azedarach</i>	Plant	--	--	--	--
<i>Melilotus officinalis</i>	Plant	--	--	--	<i>Pharmazie</i> , 46: 156, 1991.
<i>Melilotus officinalis</i>	Shoot	--	--	--	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Melissa officinalis</i>	Plant	--	2100	-0.75369427076109	--
<i>Mentha x piperita</i>	Shoot	--	--	--	
<i>Mentha x rotundifolia</i>	Shoot	--	--	--	Jim Duke's personal files.
<i>Menyanthes trifoliata</i>	Leaf	--	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Moringa oleifera</i>	Leaf	--	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Morus alba</i>	Plant	--	--	--	--
<i>Myristica fragrans</i>	Plant	--	16	-1.0832422412570573	--
<i>Nicotiana tabacum</i>	Leaf	--	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Ocimum basilicum</i>	Leaf	19000	19100	1.933822416683755	--
<i>Ocimum basilicum</i>	Tissue Culture	--	--	--	--
<i>Oenothera biennis</i>	Leaf	--	--	--	--
<i>Olea europaea</i>	Fruit	--	--	--	--
<i>Origanum majorana</i>	Plant	--	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Origanum majorana</i>	Shoot	--	--	--	--
<i>Origanum majorana</i>	Leaf	--	14100	1.2401706840629567	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Origanum vulgare</i>	Leaf	106	1060	-0.568873034612085	--
<i>Origanum vulgare</i>	Plant	6000	6000	-0.13697781925712094	--
<i>Origanum vulgare</i>	Shoot	--	--		--
<i>Panax ginseng</i>	Root	--	--		--
<i>Papaver somniferum</i>	Leaf	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
<i>Papaver somniferum</i>	Pericarp	--	--		--
<i>Perilla frutescens</i>	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
<i>Persea americana</i>	Fruit	--	--		--
<i>Petroselinum crispum</i>	Stem	--	--		--
<i>Peucedanum ostruthium</i>	Root	--	--		--
<i>Phaseolus vulgaris</i>	Shoot	--	--		--
<i>Phaseolus vulgaris</i>	Leaf	--	--		--
<i>Phaseolus vulgaris</i>	Fruit	--	--		--
<i>Pimpinella anisum</i>	Plant	--	--		--
<i>Pimpinella anisum</i>	Seed	2060	2060	1.1988438057610096	--
<i>Pinus sylvestris</i>	Leaf	--	--		--
<i>Piper nigrum</i>	Fruit	--	6	-0.33780275264769194	--
<i>Pisum sativum</i>	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Plantago major</i>	Plant	--	--	--	--
<i>Polypodium vulgare</i>	Rhizome	--	--	--	--
<i>Populus balsamifera</i>	Essential Oil	--	--	--	--
<i>Portulaca oleracea</i>	Plant	--	--	--	--
<i>Prunus armeniaca</i>	Plant	--	--	--	--
<i>Prunus cerasus</i>	Plant	--	--	--	--
<i>Prunus domestica</i>	Plant	--	--	--	--
<i>Prunus dulcis</i>	Plant	--	--	--	--
<i>Prunus laurocerasus</i>	Plant	--	--	--	--
<i>Prunus persica</i>	Leaf	--	--	--	--
<i>Prunus serotina</i>	Plant	--	--	--	--
<i>Prunus spinosa</i>	Plant	--	--	--	--
<i>Pteridium aquilinum</i>	Plant	--	--	--	--
<i>Punica granatum</i>	Plant	--	--	--	--
<i>Punica granatum</i>	Fruit Juice	--	--	--	--
<i>Punica granatum</i>	Leaf	--	--	--	--
<i>Pyrus communis</i>	Fruit	43	19700	3.3083378697649026	--
<i>Raphanus sativus</i>	Root	91	91	-0.8579670121208511	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Rheum officinale	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Rheum rhabarbarum	Pt	8	8		--
Rhododendron ponticum	Plant	--	--		--
Ribes nigrum	Fruit	--	--		--
Rosa canina	Stem	--	--		--
Rosa canina	Tissue Culture	--	--		--
Rosmarinus officinalis	Plant	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Rosmarinus officinalis	Shoot	--	--		--
Rubus idaeus	Fruit	--	--		Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
Rubus idaeus	Plant	--	--		--
Salvia officinalis	Shoot	--	--		--
Salvia officinalis	Inflorescence	--	--		--
Salvia sp.	Seed	306	306	-0.47830510577242674	Phenolic Compounds in Food and Their Effects on Health, 67.
Sambucus nigra	Plant	--	--		--
Sambucus simpsonii	Flower	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.
Sanguisorba minor	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Santolina chamaecyparissus</i>	Plant	--	--	--	--
<i>Satureja montana</i>	Shoot	--	--	--	--
<i>Scopolia carniolica</i>	Leaf	--	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Senna obtusifolia</i>	Seed	--	--	--	--
<i>Sesamum indicum</i>	Fruit	--	--	--	--
<i>Sesamum indicum</i>	Leaf	--	--	--	--
<i>Solanum melongena</i>	Fruit	--	--	--	--
<i>Solanum torvum</i>	Plant	--	--	--	--
<i>Solanum tuberosum</i>	Tuber	18	1400	-1	--
<i>Solanum tuberosum</i>	Tuber Epidermis	--	--	--	--
<i>Solanum tuberosum</i>	Root Bark	--	--	--	--
<i>Solanum tuberosum</i>	Flower	--	--	--	--
<i>Solidago gigantea</i>	Plant	--	21980	2.3899783076745265	--
<i>Solidago virgaurea</i>	Flower	--	--	--	--
<i>Sophora japonica</i>	Plant	--	--	--	--
<i>Sorbus aucubaria</i>	Fruit	--	--	--	--
<i>Spartium junceum</i>	Plant	--	--	--	--
<i>Spinacia oleracea</i>	Shoot	--	--	--	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Spinacia oleracea</i>	Leaf	--	--		--
<i>Stachys officinalis</i>	Plant	5000	5000	-0.2951102427196771	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
<i>Stachys officinalis</i>	Shoot	--	--		--
<i>Stellaria media</i>	Shoot	--	--		--
<i>Symphytum officinale</i>	Root	--	--		--
<i>Tagetes patula</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Tanacetum vulgare</i>	Plant	--	--		--
<i>Taraxacum officinale</i>	Plant	--	--		--
<i>Taraxacum officinale</i>	Flower	--	--		--
<i>Taxus baccata</i>	Leaf	0.9	4.7	-0.7152751692990306	--
<i>Tecoma stans</i>	Plant	--	--		--
<i>Teucrium chamaedrys</i>	Plant	--	--		Abstract (See species file)
<i>Teucrium scorodonia</i>	Leaf	20000	20000	2.0586797285554987	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Theobroma cacao</i>	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Thymus serpyllum</i>	Plant	6200	6200	-0.10535133456460971	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Thymus vulgaris</i>	Leaf	16900	16900	1.6286156543306036	--
<i>Tilia sp.</i>	Flower	--	--		--
<i>Trifolium pratense</i>	Flower	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Trifolium pratense</i>	Leaf	--	--		--
<i>Triticum aestivum</i>	Seed	3	4	-0.7670730483511597	--
<i>Urtica dioica</i>	Plant	--	--		--
<i>Urtica dioica</i>	Leaf	--	--		Jim Duke's personal files.
<i>Vaccinium corymbosum</i>	Plant	--	--		--
<i>Vaccinium myrtillus</i>	Leaf	40	40	-0.7103779880667277	--
<i>Vaccinium myrtillus</i>	Fruit	--	--		--
<i>Vaccinium myrtillus</i>	Fruit Juice	--	--		--
<i>Vaccinium vitis-idaea</i>	Leaf	--	--		--
<i>Valeriana officinalis</i>	Plant	--	--		--
<i>Valeriana officinalis</i>	Root	--	5800	1.5698864543151345	--
<i>Verbena officinalis</i>	Leaf	10000	10000	0.6713762633139022	--
<i>Viburnum opulus</i>	Branches	--	--		--
<i>Vicia faba</i>	Plant	--	--		--
<i>Viscum album</i>	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Vitis vinifera	Fruit	--	--		--
Vitis vinifera	Leaf	--	--		--
Vitis vinifera	Root	--	--		--
Zea mays	Shoot	0.7	0.7	-0.7034493867354843	--
Zea mays	Sprout Seedling	--	--		--
Zingiber officinale	Rhizome	--	--		--